

File: A.571

## CONFIDENTIAL

2 October 1958

September 29, 1948 - October 1, 1958 Demonstration

Reaction to:

1. Each portion of the system caused some trouble during this period.
  - a. The transducer contained approximately 5 dead letters including each end letter. At least a partial cause was the poor mechanical performance of the machine. Secondly the transducer was tailored to a different machine in better condition. Insufficient testing of the transducer at both locations resulted in unrecognized poor performance. This could certainly have been eliminated particularly if the entire system were under test at one location.
  - b. The transmitter was consistently troublesome and required constant attention to maintain its function. This difficulty was at least in part caused by poor locking on a timing arrangement. Basically caused by a design very dependent on proper antenna loading for proper operation.
  - c. The pulse converter was shown to be temperature dependent. Circuit modifications were required to produce satisfactory operation.
  - d. The decoder functioned well except for the necessity of cleaning the rotary switch. An excessive amount of lockout was caused by malfunction of the transmitter which produced signals beyond the decoders design limits.

2. In general the demonstrations were poor. Two causes: The preliminary remarks were poorly planned. The physical demonstrations were by hazard to the extent that the weakest points of the overall system were emphasized. A better job could have been done.

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 ORIG COMP 056 56 TIME 30  
 ORIG PLANS M 2  
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Comments by Jim

ORIGINAL CL BY 275979  
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 EXT BYND 6 YRS BY 3AME  
 REASON 3d(3)

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